

World's Leading manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR ULTRA HIGH FREQUENCY

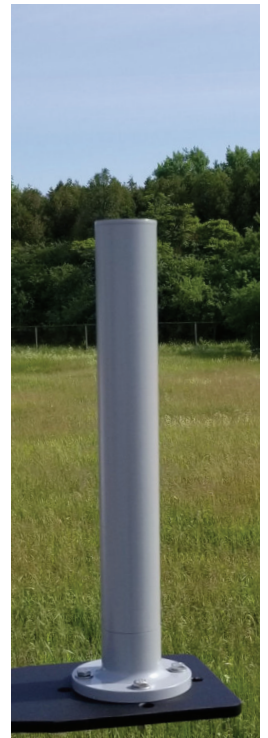
VAS-700 BROADBAND VERTICAL DIPOLE ANTENNA

VALCOM'S VAS-700 UHF DIPOLE ANTENNA IS A RUGGED SELF SUPPORTING VERTICALLY POLARIZED BROADBAND ANTENNA COVERING THE FREQUENCY RANGE OF 700-800 MHz THIS GENERAL PURPOSE ANTENNA CAN BE USED IN THE TRANSMIT OR RECEIVE MODE.

THE ANTENNA IS DESIGNED FOR USE UNDER SEVERE ENVIRONMENTAL CONDITIONS ENCOUNTERED ABOARD NAVAL SHIPS. THE ANTENNA RADIATING ELEMENTS ARE HOUSED IN A SINGLE PIECE FIBREGLASS RADOME WITH AN ALUMINUM MOUNTING FLANGE.

THE ANTENNA CAN HANDLE 200 WATTS PEAK ENVELOPE POWER AND 100 WATTS AVERAGE RF POWER OVER THE ENTIRE FREQUENCY RANGE. IT HAS A VSWR OF LESS THEN 2.0:1 OVER THE 700-800 MHz BAND. THE RF INPUT CONNECTOR IS A N-TYPE RECEPTACLE LOCATED ON THE BOTTOM OF THE BASE.

THE ANTENNA MEETS THE REQUIREMENTS OF MIL-S-901D FOR SHOCK, MIL-STD-167 FOR VIBRATION AND ALL THE SERVICE CONDITONS OF MIL-E-16400.



FEATURES:

- **BROADBAND**
- **LIGHTWEIGHT AND RUGGED**
- **SHIPBOARD OR SHORE INSTALLATION**
- **RECEIVING OR TRANSMITTING**
- **MIL TESTED**

VAS-700

QUICK REFERENCE DATA

ENVIRONMENTAL CHARACTERISTICS

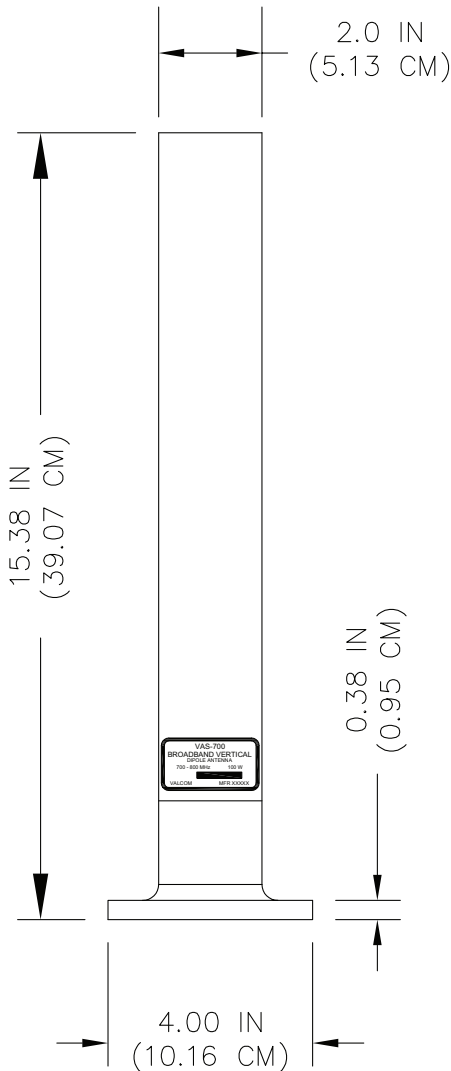
FREQUENCY RANGE	700 MHz TO 800 MHz
POLARIZATION	VERTICAL
POWER RATING	100 WATTS AVERAGE
PATTERN - AZIMUTH	OMNIDIRECTIONAL
- VERTICAL (HPBW)	30° MIN
-BEAM TILT	0° TILT
INUT IMPEDANCE	50 OHMS (NOM)
VSWR	2.0:1 MAX
GAIN	1.5 dBi (NOM)
INPUT CONNECTION	N-TYPE FEMALE
LIGHTNING PROTECTION	DC GROUNDED ELEMENTS

ENVIRONMENTAL CHARACTERISTICS

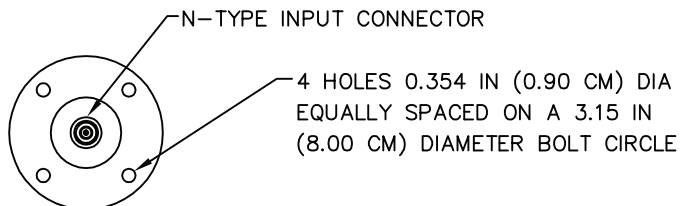
TEMPERATURE	-40°C TO + 65°C
VIBRATION	MIL-STD-167, TYPE I
SHOCK	MIL-S-901D, GRADE A
HUMIDITY	MIL-STD-810F, PROCEDURE III
SOLAR RADIATION	MIL-STD-810F, METHOD 505.4
SALT FOG	MIL-STD-810F, METHOD 509.4
BLOWING RAIN	MIL-STD-810F, METHOD 506.4 PROCEDURE I
WIND	100 MPH (161 KM/H)

MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	15.38 IN (39.07 CM)
RADOME DIAMETER	2.0 IN (5.13 CM)
ANTENNA WEIGHT	5.0 LBS (2.3 KG)
RADIATING ELEMENT	COPPER/BRASS
RADOME MATERIAL	EPOXY FIBREGLASS
BASE MATERIAL	ALUMINUM
FINISH	SILICONE ALKYD ENAMEL COLOUR IAW FED-STD-595B #26270
MOUNTING	SEE BELOW



BOTTOM VIEW



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